





NOTES:
1. SUMP PUMPS REQUIRED ON ALL DWELLINGS.
2. SUMP PUMPS TO DISCHARGE TO GRADE AS PER HALDIMAND COUNTY DETAIL 11A (SEE DETAIL ON DRAWING E20023 D).
3. ROOF WATER LEADERS SHALL DISCHARGE TO SPLASH PADS. PRIOR TO APPLICATION FOR A BUILDING PERMIT, DETAILED INDIVIDUAL LOT GRADING PLAN FOR EACH LOT SHALL BE PREPARED/CERTIFIED AND SUBMITTED BY THE DEVELOPERS ENGINEER FOR APPROVAL.
4. ALL SWALES THAT HAVE A PROPOSED SLOPE OF LESS THAN 2.00% TO BE INSTALLED COMPLETE WITH SUB-DRAIN, PER DETAIL BELOW.

KEY PLAN: N.T.S.

LEGEND

☆	EXISTING LUMINAIRE	x(235.87)	PROPOSED ELEVATION
○	EXISTING STORM MANHOLE	242.25	EXISTING ELEVATION
○	EXISTING SANITARY MANHOLE	x(235.87-F)	FUTURE ELEVATION
□	EXISTING CATCHBASIN	[237.15]	PROPOSED MINIMUM BASEMENT ELEVATION
□	EXISTING HYDRO TRANSFORMER	[237.15]	PROPOSED APRON ELEVATION
⊗	EXISTING BELL BOX	1/6=239.15	PROPOSED TOP OF GRADE ELEVATION
⊗	EXISTING HYDRANT	x(239.32)	PROPOSED SWALE ELEVATION
⊗	EXISTING VALVE	(TW239.41)	PROPOSED TOP OF RETAINING WALL ELEVATION
⊗	EXISTING HYDRO-POLE		V.C. VERTICAL CURVE
→	MAJOR OVERLAND FLOW ROUTE		B.V.C. BEGINNING OF VERTICAL CURVE
●	PROPOSED STORM MANHOLE		E.V.C. END OF VERTICAL CURVE
●	PROPOSED SANITARY MANHOLE		H.P. CENTRE LINE OF PAVEMENT HIGH POINT ON ROAD
●	MANHOLE		L.P. CENTRE LINE OF PAVEMENT LOW POINT ON ROAD
●			G.C. CENTRE LINE OF PAVEMENT CHANGE IN GRADE
■	PROPOSED CATCHBASIN		
■	PROPOSED HYDRANT		
■	PROPOSED VALVE		
■	PROPOSED MAIL BOX		
■	PROPOSED STREETLIGHT		
■	PROPOSED STREETLIGHT PEDESTAL		
■	PROPOSED SWALE		
■	EXISTING SWALE		
■	PROPOSED TRANSFORMER		
■	PROPOSED HYDRO VAULT		
■	UNIT REQUIRES SUMP PUMP		
---	EXISTING 1.8m CHAIN LINK FENCE		
---	PROPOSED 1.8m CHAIN LINK FENCE		
---	PROPOSED 1.8m BLACK VINYL CHAIN LINK FENCE		
---	PROPOSED 1.5m CHAIN LINK FENCE		
---	LONG POINT CONSERVATION AUTHORITY HAZARD LAND		

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

BEFORE STARTING WORK, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

BENCHMARK
 GEODETIC BENCHMARK No. 65-U-174
 CANADIAN BANK OF COMMERCE ON NORTHWEST SIDE OF HIGHWAY No.6 AT NORTHERLY CORNER OF MAIN INTERSECTION IN TOWN, 0.3km SOUTHWEST OF CROSSING OF MICHIGAN CENTRAL RAILWAY, TABLET IN NORTHEASTLY CORNER OF BUILDING, 45cm BELOW BRICK, 1m ABOVE ROAD LEVEL.
 ELEVATION = 224.110m

NO.	DATE	BY	REVISIONS
3	Jan. 22	WG	ISSUED FOR TENDER
2	Nov. 21	WG	2nd ENGINEERING SUBMISSION
1	April 21	WG	1st ENGINEERING SUBMISSION

DATE	DECEMBER 2020	STAMP
DESIGN	WG	CHECKED KH
DRAWN	WG	CHECKED KH

SCALE
 0 5 10 20 30 40
 1:500

2618922 Onterio Inc.
 102-3410 SOUTH SERVICE ROAD
 BURLINGTON, ONTARIO
 L7N 3T2

4450 PALETTA COURT
 BURLINGTON, ON L7L 5R2
 TEL. 905.637.2926
 FAX. 905.637.3268
 EMAIL: ENGINEERING@METROCON.CA

METROPOLITAN CONSULTING INC.

Haldimand County, Ontario, Canada

TITLE: **WOODLAND COUNTRY ESTATES PHASE 1**

DWG.: **GRADING PLAN**

MUNICIPAL FILE No.: **28T-9-007**

PROJECT: **E20023**

CONTRACT No.: **28T-9-007**

SHEET: **GP**